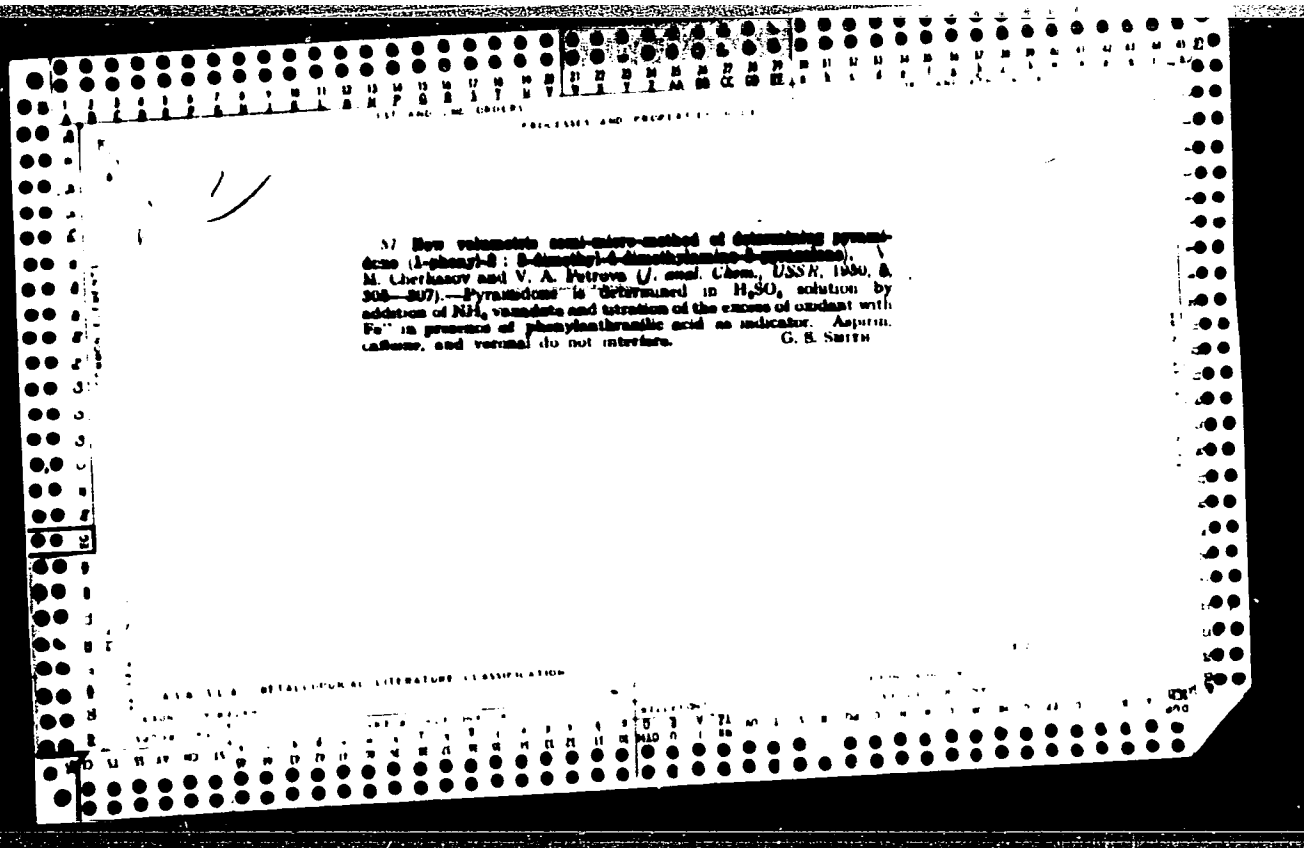




PETROVA, Viara

Importance of algae for fishes. *Prin i znanie M. M. 1984, D. 11.*

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MOVSESOV, E.Ye.; MISHENEV, V.A.; KRAMNIK, V.Yu.; NEMERYUK, Yu.G.; TSABOLOV,
Yu.A.; PETROVA, V.A.

Efficient electric conditions in the smelting of titanium slag. Titan
i ego splavy no.9:119-122 '63. (MIR: 16:0)

(Electric furnaces)
(Titanium--Electrometallurgy)

INVESTIGATION

REPORT

1. INTRODUCTION

2. SUMMARY

PETKOVA, V. A., Aspirant

"An Electropneumatic Relay-Sequence System for the Remote Control of a Drilling Winch By Means of the Main Brake." Cand Tech Sci, Moscow Order of Lenin Power Engineering Institute V. I. Mozhayev, 3 Dec 54. (W, 22 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SU: Sum. No. 556, 24 Jun 55

LEVITIN, I.A.; POLOSIN Ye.N.; PETROVA, V.D.; MARCHENKO, Ye.D.

Investigating the physical antiozonants of various origins.
Kauch.i rez. 22 no.4:14-18 Ap '63. (MIRA 16:6)

1. Moskovskiy shinnyy zavod.
(Rubber Ozone)

L 13661-63

EMP(j)/ENT(m)/BDS AFPC/ASD PC-4 RM

ACCESSION NR: AF3001A27

S/0138/63/000/004/001A/0017

AUTHOR: Levitin, I. A.; Poleskin, Ye. N.; Petrova, V. D.; Marchenko, Ye. D.TITLE: An investigation of physical antiozonants of various originSOURCE: Kamshuk i rezina, no. 4, 1963, 14-17TOPIC TAGS: ozone, antiozonant, paraffin, ceresine, wax, rubber

ABSTRACT: The antiozonants under study were domestic paraffins, natural and synthetic ceresines, as well as imported microcrystalline waxes, which were presumably mixtures of paraffins and isoparaffins. Their density, viscosity, softening point, and microscopic picture were studied. The paraffins are characterized by large crystals and a low basic viscosity at 55°C of 9-16 Eta, the ceresines having a microcrystalline structure and a basic viscosity of 19-58 Eta, while the imported waxes showed basic viscosities of 16-44 Eta. Superior brands of 100% NK and BCK protector-type rubber, containing 2% of the above physical antiozonants, were placed in a chamber containing 1/10000% by weight of ozone. Under static conditions, the imported waxes, a ceresine brand, as well as some domestic paraffins were able to protect the surface cracking of rubber for a 100-minute period, while the protective effect of the remaining paraffins and ceresines did not last over 17-20 minutes. Under dynamic conditions, on the other hand, two ceresines, with melting points of

Card 1/2

1 13661-43

ACCESSION NR: AF3001427

2

90.5 and 72.6C, showed some protective effect. The balance of the antioxidants under study exhibited no beneficial effect whatsoever. It is suggested that while under static conditions a paraffin or ceresine may provide protection against the destructive effect of ozone by film formation on the surface of the rubber, the said film would crack under the impact of dynamic stresses. The present work was conducted at the All-Union Scientific Research Institute of the Oil Industry. Orig. art. has: 2 charts and 1 table.

ASSOCIATION: Moskovskiy shinnyy zavod (Moscow Tire Factory)

SUBMITTED: 00

DATE ACQ: 30Aug65

ENCL: 00

SUB CODE: 00

NO REF SOV: 002

OTHER: 002

Card 2/2

(A) L 8499-66 EMT(m)/EMP(j) RM
 ACC NR: AP5028479 SOURCE CODE: UR/0286/65/000/020/0064/0064
 AUTHORS: Levitin, I. A.; Gromova, L. G.; Petrova, V. D.; Ioffe, A. I.; Marchenko, Ye. D.
 ORG: none
 TITLE: A method for obtaining rubbers. Class 39, No. 175644
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 64
 TOPIC TAGS: rubber, ozone, antiozonant, cerisin, paraffin, petrolatum/ AP antiozonant mixture
 ABSTRACT: This Author Certificate presents a method for obtaining rubber by applying a waxlike antiozonant. To increase the resistance of rubber to ozone, mixture AP, consisting of natural cerisin (30-70 wt parts), synthetic cerisin (20-5 wt parts), paraffin (40-10 wt parts), and petrolatum (10-0 wt parts), is used as the waxlike antiozonant. Mixture AP may be applied together with chemical antiozonants.
 SUB CODE: 07, 11/ SUBM DATE: 11Sep62
 UDC: 678.7.048
 665.436.432
 Card 1/1

LEVITIN, I.A.; POLOSIN, Ye.N.; PETROVA, V.D.; MARCHE'KO, Ye.D.

Unit for rubber testing for ozone resistance. Kauch.i rez. 21
no.8:51-53 Ag '62. (MIRA 16:5)

1. Moskovskiy shinnyy zavod.

(Rubber--Testing)

S/138/62/000/008/007/007
A051/A126

AUTHORS: Levitin, I. A., Peloskin, Ye. N., Petrova, V. D., Marchenko, Ye. D.

TITLE: Apparatus for testing ozone resistance of rubber

PERIODICAL: Kauchuk i rezina, no. 8, 1962, 51 - 53

TEXT: The Moscow Tire Plant has developed and perfected a new apparatus for dynamic testing of the ozone resistance of rubber, based on experiments by the NIISHP and the principle used at the NIIRP. The apparatus determines the ozone resistance under dynamic conditions by periodic expansion of standard rubber samples in a chamber where a given ozone concentration is maintained. The schematic diagram is shown in Figure 1. The test conditions for tread rubber are given by the following figures: constant expansion 15%, variable expansion 25%, expansion frequency 15/min, rate of air supply into the chamber 2 l/min, ozone concentration in the chamber $(1 \pm 0.2) \cdot 10^{-4}$ w.p. The disadvantages of the apparatus are: lack of automatic control of ozone concentration and the impossibility of creating temperature conditions within the testing chamber. There are 2 figures.

ASSOCIATION: Moskovskiy Shinnyy Zavod (The Moscow Tire Plant)

Card 1/1

ZAYTSEVA, V.D.; PROVOROV, V.N.; KHAZANOV, V.S.; KIZICHEVA, A.V.; PETROVA, V.D.

Method for determining the blackness of the coats of varnish.
Kauch. i rez. 20 no.6:47-49 Je '61. (MIRA 14:6)

1. Nauchno-issledovatel'skiy institut rezinovykh i lateksnykh izdeliy.

(Boots and shoes, Rubber)
(Varnish and varnishing)

L 11779-66 EWT(m)/EWP(j)/T RM

ACC NR: AP6001094

SOURCE CODE: UR/0138/65/000/012/0024/0025

AUTHOR: ⁴⁴Levitin, I. A.; ⁴⁴Petrova, V. D.; ⁴⁴Marchenko, Ye. D.; ⁴⁴Ioffe, A. I. 52
B

ORG: ⁴⁴Moscow Tire Plant (Moskovskiy shinnyy zavod) 5, 44

TITLE: Development and use of a waxlike antiozonant in automobile tire treads

SOURCE: Kauchuk i rezina, ²⁴no. 12, 1965, 24-25

TOPIC TAGS: rubber chemical, antioxidant additive, *resin, synthetic rubber, vehicle component*

ABSTRACT: The Moscow Tire Plant (Moskovskiy shinnyy zavod) and ⁴⁴Moscow Petroleum and Oil Refinery (Moskovskiy neftemaslozavod) developed a waxlike antiozonant composed of natural and synthetic ceresin, paraffin, and petrolatum, the content of ceresins being predominant. A thorough study of the new antiozonant, AF-1,⁵ was carried out in tread rubbers composed of 100% SKMS-30ARKM. The protective properties of AF-1 were found to compare very favorably with those of Antilux, an imported antiozonant. AF-1 has now replaced Antilux at the Moscow Tire Plant, and its use in the tire and rubber industry for protection of rubber treads against ozone cracking is highly recommended. Orig. art. has: 2 figures and 3 tables.

SUB CODE: 11, 13 / SUBM DATE: none / ORIG REF: 003

^{H.W.}
Card 1/1

UDC: 678.048.004.12.004.14

PETROVA, V.G. (Leningrad S-124. Novgorodskaya ul. d.1-A, kv.46)

Cytological changes in urinary tubules following ligation of the
ureters. Arkh. anat. gist. i embr. 38 no. 5:67-75 My '60.
(MIRA 14:2)

1. Kafedra obshchey biologii (zav. -- prof. P.V. Makarov)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.
(URETERS) (KIDNEYS)

Petrova, V. F.

AUTHORS: Korshak, V. G., Franke, I. M., Petrova, V. F. 12-11174

TITLE: From the Field of Heterogeneous Chain Polyamides (In Russian: *geterotsepnnykh poliamidov*). Information 1: The Production of Polyamides and Polyamide Esters by Means of an Anionolysis of Polyesters (Sostavleniye 2. Polucheniye poliamidov i poliamidestirov s pomoshchyu anionoliza poliestirov).

PERIODICAL: Izvestiya AN SSSR Otdeleniye Khimicheskikh Nauk. 1970, 1: 2, pp. 217-220 (USSR).

ABSTRACT: The suitability of the above-mentioned high-molecular compounds for diverse exchange reactions under the influence of low-molecular initial substances was already shown by some examples. The acidolysis of the polyesters by the action of adipic acid as well as the alcoholysis of polyesters were examined. The anionolysis of polyesters is a reaction of this type which has hitherto not been described in the literature. It is of interest because it may be considered a way toward the production of polyamide esters and polyamides. In the present paper the authors deal with the reaction of the anionolysis of polyethylenesuccinate with hexamethylenediamine (table 1). It was found that in the final result an exchange of the ethylene-

Card 1/2

From the Field of Heterocyclic Chain Polyamides. Information 6: 62-2-14/1
The Production of Polyamides and Polyamide Esters by Means of
an Aminolysis of Polyesters.

-hydroxyl residues and the residues of the hexamethylenediamine takes place, where polyamide esters or polyamides, in dependence on the common behavior of the initial substance, formed. There are 2 to 4 and 4 references, 4 of which are Slavic.

ASSOCIATION: Institute for Element-Organic Compounds AN USSR (Institut elementoorganicheskikh soedineniy Akademii Nauk SSSR)

SUBMITTED: August 1, 1956

AVAILABLE: Library of Congress

1. Polyesters-Exchange reactions
2. Polyamides-Production
3. Polyamide esters-Production

Card 2/2

FRUNZE, T.M.; KORSHAK, V.V.; PETROVA, V.F.

Heterochain polyamides. Part 15: Polyamides of hydroaromatic acids. Vysokom. soed. 1 no.3:349-356 Mr '59. (MIRA 12:10)

1. Institut elementoorganicheskikh soy. ineniy AN SSSR.
(Amides) (Hydroaromatic compounds)

PETROVA, V.G.

Cytological changes in the urinary canaliculi of the kidney under
the influence of mercurial. Biol. eksp. biol. i med. 52 no.10:71-
75 0 1961. (MIA 1:1)

1. Iz kafedry obshchei biologii (zav. - akademik-korrespondent AN SSSR
prof. P.V. Makarev) Leningradskogo sanitarno-gigiyenicheskogo meditsin-
skogo instituta. Predstavleniye deystviya linyechnykh AN SSSR i
Akademii (deceased) (MIA 1:1) (MIA 1:1) (MIA 1:1)

PETROVA, V.G. (Leningrad, S-124. Novgorodskaya ul., 1a, kv. 46)

Cytological changes in the renal tubules after ligation of the
vascular bundle Arkh. anat. hist. i embr. SO no.5:67-73 Kr. 12.
(MIA 15:1)

1. Kafeura obshchestv. biologii (zav. - onlen-korrespondent ANU
S. P.V. Makarov) Leningradsko-sanitarно-gigiyenicheskoe
institute.

(KIDNEY--BLOOD SUPPLY)

SHIF, I. I.: PETROVA, V. D.

"The development of the scientific method in the process of learning."

report submitted for internal use, entitled "The Method of Learning,"
Kopetskiy, V. D. (ed.).

PETROVA, V. G.

Cytochemical study of fish eggs. V. G. Petrova (Sanit. Hyg. Med. Inst., Leningrad), *Doklady Akad. Nauk S.S.S.R.* 110, 674-8(1958).—In an examn. of eggs of several species it was shown that deoxyribonucleic acid is found in oögonial nuclei (highest concn. in cyprinids). The concn. decreasing as the cells develop, along with simultaneous development of new nucleoli which are rich in ribonucleic acid. In development of oögonia into oöcytes the ribonucleic acid concn. in the cytoplasm rises, then declines after appearance of yolk grains. The latter probably do not contain deoxyribonucleic acid, although they give a Feulgen test. G. M. Kosolepoff

PETROVA, V.G.

Cytochemical changes in the process of oogenesis of the predaceous
diving beetle. Trudy LSOMI 43:76-83 '59. (MIRA 13:5)
(OOGENESIS) (BEETLES)

REKID, N.G.;

Let
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PETROVA V.I.

TURBINA, Ye.I., uchitel'nitsa (g.Khimki, Moskovskoy oblasti)

Books about the best teachers of biology ("Rural teacher" by
F.A. Susloparova; "The teacher enthusiast" by V.I. Petrova. Reviewed
by E.I. Turbina). Biol. v shkole no.3:82-84 My-Je '60. (MIRA 13:7)
(Teachers) (Petrova, V.I.)

PETROVA, V.I.; SKOLKA, H.

Massive development of the species *Nitzschia seriata* Gr. in the waters of the Black Sea. Studii cerc. biol s. bot 16 no. 1: 47-60 '64.

1. "Varna R.P.B." Institute of Fishing, "Traian Savulescu" Institute of Biology, Laboratory of Oceanology, Constanta.

PETROVA, V.I.

Composition and quantitative distribution of the phytoplankton
of Varnenski Zaliv. Izv Inst bot BAN 7:247-277 '60.

PETROVA, V.I.

Phytoplankton along the Bulgarian Black Sea shore, 1954-1957.
Izv Inst ribevud BAN 3: 31-60 '63.

Petrova, V. I.

✓Molecular weights of pepainogen and pepain. V. N. Orlovich, V. O. Shpikiter, and V. I. Petrova. *Doklady Akad. Nauk S.S.S.R.* 111, 301-3 (1956). The centrifugal sedimentation method gave a sedimentation const. of 3.0×10^{-11} sec. for pepainogen and 3.25×10^{-11} sec. for pepain (cf. Philpot and Briskson, *C.A.* 28, 1725; Steinhardt, *C.A.* 32, 5420). Diffusion in a Lamm cell gave diffusion consts., resp., of 7.34×10^{-7} sq. cm./sec. and 8.7×10^{-7} (cf. Polson, *C.A.* 33, 6884; Northrop, *C.A.* 24, 5318). Examn. of the substances in respect to widening of sedimentation curves (cf. Williams, et al., *C.A.* 46, 6684) showed their individual homogeneity. The specific vols. of the 2 substances were detd. pycnometrically, obtaining 0.726 and 0.728, resp. (cf. Polson, *C.A.* 33, 9084). Application of Svedberg formula gave mol. wts. of 33,240 and 32,650, resp., for pepainogen and pepain. The ratio b/a was calcd. as 4.7 and 3.6, resp., indicative of cleavage of a fragment during activation of pepainogen and conversion to pepain. G. M. Kozlov.

Chm
Mol

IA 159T52

USSR/Metals - Steel, Stainless
Analysis
Jan 50

"Quick Method for Determination of Silicon in High-Chromium and Stainless Steels," V. I. Petrova, First Ural Pipe-Rolling Mill, 1 p

"Zavod Lab" Vol XVI, No 1

Determination of silicon by photocolormetric method is based on formation of silicon-molybdenum complex with reduction of yellow silicon-molybdenum complex at reduction of yellow silicon-molybdenum complex with tin chloride. Application of this method to stainless steels is complicated by green coloration of solutions. However, sufficiently accurate

159T52

USSR/Metals - Steel, Stainless (Contd) Jan 50

results may be obtained if standard solution contains amounts of chromium and nickel similar to those in sample under investigation. Time of determination is not longer than 30 min.

INTRUCA, V. I.

159T52

ACC NR: AN6035374

SOURCE CODE: UR/0271/66/000/009/3040/3041

AUTHOR: Ivanov, M. N.; Kadashevich, V. I.; Kondurov, I. A.; Nekhay, A. P.; Nikolayev, S. N.; Nikanorov, A. G.; Petrova, V. I.

TITLE: Central system for gathering and processing information (SOPI)

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika, Abs. 93320

REF SOURCE: Tr. 6-y nauchno-tekhn. konferentsii po yadern. radioelektron. T. 3. Ch. I. M., Atomizdat, 1965, 110-136

TOPIC TAGS: computer design, information processing, information storage and retrieval, electronic computer, computer input and output, Minsk-1 computer

ABSTRACT: The article describes a system developed at the Physicotechnical Institute im. A. F. Ioffe AN SSSR for time analysis in 500 - 1000 channels in the investigation of neutron spectra, for two-dimensional amplitude-time and amplitude-amplitude analysis, and for pulse-height analysis with 100 - 200 channels. The main units of the system are: the input units (amplitude and time analyzers) which transform the information received by them into a digital code that determines the address of the memory cell; the memory unit (magnetic operative memory of the "Minsk-1") for storage of the codes; the control unit, which scans the input units in sequence and extracts the numbers from the memory; output unit for the readout of the numbers from the memory to the printer unit, perforator, or cathode ray tube screen; movable control desk for remote control of the input blocks. The input blocks of the system can oper-

UDC: 681.142.4

Cord 1/2

ACC NR: AR6035374

ate independently in the following modes: operation, observation, verification, and erasure. The technical characteristics of the system are as follows: number of channels 2048; channel capacity 2^{16} ; number of input units 8; inquiry period 5 μ sec; and maximum registration frequency 12 000 pulses/sec. 10 illustrations. Bibliography, 11 titles. V. Zh. [Translation of abstract]

SUB CODE: 09

Cord 2/2

ROZENBERGER, N. A.; NAPKHAENKO, Z. S.; Prinsipala uchastiye: PETROVA,
V. K., nauchnyy sotrudnik

Active acidity in sulfite cooking. Trudy VNIIB no. 47:10-37
'61. (MIRA 16:1)

(Woodpulp—Testing)

ROZENBERGER, N.A.; Minimalni nabastiye: NAPIKHANENKO, Z.S.; PETROVA, V.K.

Rapid sulfite looking operation. Bum. proc. 36 no.12:3-7 D 161.
(MIRA 15:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsellyulozno-
bunazhnoy promyshlennosti.
(Sulfites)

ZVEREV, Nikolay Borisovich, inzh.: IFTM A, V.L., red.

[Continuous rail track with various types of fastenings]
Besstykovyi put' so skrepleniemi razlichnykh tipov. Mo-
skva, Transport, 1967. 20 p. (MIRA 18:3.

ZVEREV, B.N., kand. tekhn. nauk; PETROV, N.V., kand. tekhn. nauk;
GAYDAMAKA, P.S., inzh.; YAKHCV, M.S., kand. tekhn. nauk;
PETROVA, V.L., red.; DRUZDOVA, N.D., tekhn. red.

[New design for rail fastenings] Novye konstruktsii rel'-
sovykh skrepleni. [By] B.N.Zverev i dr. Moskva, Transhel-
dorizdat, 1963. 62 p. (MIRA 16:7)
(Railroads--Rails--Fastenings)

ASHKENAZI, Yefrem Abramovich, kand. tekhn. nauk; BAKANOV, Vladimir Ivanovich, ~~inzh.~~; PETROVA, V.L., red.; VOROTNIKOVA, L.F., tekhn. red.

[Fields of application of the various types of traction in industrial railroad transportation]. Sfery primeneniia razlichnykh vidov tiagi na promyshlennom zheleznodorozhnom transporte. Moskva, Transzheldorizdat, 1963. 133 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.253).

(MIRA 16:4)

(Railroads, Industrial) (Locomotives)

L 2557-66 EWT(m)/EPF(c)/EWP(j) RM
 ACCESSION NR: AP5024969
 44.55 44.55 28 UR/0286/65/000/016/0033/0033
 547.419,5.6.002.2
 AUTHOR: Shostakovskiy, M. V.; Vlasov, V. M.; Mirskov, R. G.; Petrova, V. N.
 TITLE: Preparation of tin-containing organosilicon acetylenic compounds, Class 12,
 No. 173760
 SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 33
 TOPIC TAGS: organosilicon compound, organotin compound, acetylene compound
 ABSTRACT: An Author Certificate has been issued for a preparative method of tin-con-
 taining organosilicon acetylenic compounds of the type, $R'_3SiOR''C \equiv CSnR_3$. The
 method involves the reaction of $R'_3SnOR''C \equiv CSnR_3$ [sic] with trialkylchlorosilanes
 at low temperatures. R and R' stand for alkyl and R'' for $-CH_2-$, $-CH_2CH_2-$, $-CH(CH_3)-$,
 or $-C(CH_3)_2$. [BO]
 ASSOCIATION: none
 SUBMITTED: 30Jul64 ENCL: 00 SUB CODE: GC
 NO REF SOV: 000 OTHER: 000 ATD PRESS: 4/108
 Card 1/1

L 45433-65 EWP(e)/EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EWP(s)/EWP(b) IJP(c)
 NJW/JD/GS
 33
 29
 B+1

ACCESSION NR: AT5011347

IR/0000/65/000/000/0126/0137

AUTHOR: Lashko, N. F.; Petrova, V. S.; Platonova, A. F.; Popova, N. M. (Deceased)

TITLE: Embrittlement of high-chromium low-carbon casting steel in the temperature range 450-500C ("475 degree brittleness")

SOURCE: Fazovyy sostav, struktura i svoystva legirovannykh staley i splavov (Phase composition, structure, and properties of alloy steels and alloys). Moscow, Izd-vo Mashinostroyeniya, 1965, 126-137

TOPIC TAGS: casting steel, chrome steel, low carbon steel, steel embrittlement, carbide formation, steel heat treatment, steel mechanical property, nickel steel, ferrite solid solution

ABSTRACT: To study the role of carbides in embrittlement, use was made of several chromium-nickel steels of the type 15-3 (E1268L steel) containing niobium, copper, and boron. The specimens were quenched from 1100C in oil, tempered, then cooled in air. The decrease in the plasticity and impact toughness of E1268L steel and the increase in strength is due to the formation of highly dispersed $Me_{23}C_6$ carbides in the course of tempering at 475C. The coagulation of carbides at 500C is accompanied by a softening of the steel and an increase in its plasticity.

Card 1/2

L 45433-65

ACCESSION NR: AT5011347

Because of the high dispersity of carbides, the impact toughness declines markedly during tempering in the course of 10 hrs, then undergoes little change as the duration of tempering increases. In anodic deposits isolated from steels of type E1268L after quenching and tempering at 400C, a solid solution of ferrite rich in chromium and nickel was observed. A preliminary 2-hr. tempering at 650C decreases the precipitation rate of the highly dispersed carbides $Me_{23}C_6$ at 475C; this is manifested in a relatively lesser decrease in impact toughness than in the case of tempering immediately after quenching. "K. V. Smirnova, N. I. Yatskova, and N. S. Polushina participated in the experimental part of the work." Orig. art. has: 3 figures and 5 tables.

ASSOCIATION: none

SUBMITTED: 17Dec64

ENCL: 00

SUB CODE: MM,SS

NO REF SOV: 002

OTHER: 010

Card 2/2

SHAFERNOVSKIY, A.K.; PETKOVA, V.L., eds.

[Continuous recording of the vertical and side forces exerted
in the interaction of wheel and rail.] 16, veryvnala registratsiya
vertikal'nykh i bokovykh sil vzaimodeistviya koleasa i rel'sa.
(Moskva. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznogo-
dorozhnogo transporta. Trudy, no. 308 . 1965.

(MIRA 1965)

BAI, G., Abram...; KOLLOV, last by Vedin...; FEL'DER, ...
Daryn...; ...

... of the traffic and carrying capacity of single-track
lines, Razvitie ...
... Transport, 1964, 185. (L. W. ...
... transport ...
Trudy, ...). (MIRA 18:1)

PAKHMAN, T.A., kand. ekonom. nauk; METKOVA, I.V., kand. tekhn. nauk;
OLEYNIK, G.A., inzh.; YELINA, N.V.; BERNGARD, K.A., doktor tekhn.
nauk, prof.; FROLOV, I.A., inzh.; TIKHONOV, Y.S., kand. ekon.
nauk; Prinsipialni uchastiye: AVAK'YANTS, N.M., inzh.; SHCHERBINA,
R.M., inzh.; PETKOVA, V.L., red.

[Organization of the railroad transportation of petroleum and
chemical liquid cargo.] Organizatsiia zheleznodorozhnykh pere-
vozok neftiannykh i khimicheskikh nalivnykh грузов. Moskva, Trans-
port, 1964. 119 p. (Trudy Vsesoiuznogo nauchno-issledovatel'skogo
instituta zheleznodorozhnogo transporta no.279). (MIRA 17:14)

FEDENEV, G.S., kand.tekhn.nauk; ROL'SHCHIKOV, Ye.P., inzh.; MITYUSHEV, S.I., dotsent; OL'KHOVOY, A.I., inzh.; TITOVA, LA., inzh.; KUTYYEV, G.M., inzh.; TREGURCV, B.L., inzh.; ASHUKIN, B.L., kand.tekhn.nauk, retsenzent; MAKSIMOVICH, B.M., kand.tekhn.nauk, retsenzent; PETROVA, V.L., inzh., red.; VASIL'YEVA, N.N., tekhn.red.

[Mechanization and automation of information and accounting work in railroad sections] Mekhanizatsiia i avtomatizatsiia informatsionno-uchetnoi raboty na otdeleniiakh zheleznykh dorog. Moskva, Vses.izdatel'sko-poligr. ob"edinenie M-va soobshcheniia, 1962. 159 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. (MIFA 16:2) Trudy, no.240).

(Railroads—Management)
(Electronic computers)

SEMIN, K.F., inzh.; LONCHENKO, I.D., inzh.; KALITSEV, B.P., inzh.,
retsensent; ASHURIN, I.D., kand. tekhn. nauk, retsensent;
PETKOVA, V.L., inzh., red.; DOLGOVA, N.S., tekhn. red.

[Mechanization and automation of ticket office operations in
stations] Mekhanizatsiia i avtomatizatsiia biletno-kassovykh
operatsii na vokzalakh Moskva, Transzheldorizdat, 1963. 51 p.
(MIRA 16:12)

(Railroads--Station service) (Automation)

YALOVY, Yu.G.; VOROB'YEV, N.A., kand.tekhn.nauk, retsenzent; MEL'NIK, A.L.,
kand.tekhn.nauk, retsenzent; PETROVA, V.L., inzh., red.;
KHITROVA, N.A., tekhn.red.

[Distribution of passing points on double-track lines with an
automatic block signal system] Razmeshchenie obgonnykh punktov na
dvukhputnykh liniyakh s avtoblokirovkoi. Moskva, Transzheldorizdat,
1963. 72 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.259).

(MIRA 16:8)

(Railroad engineering) (Railroads—Signaling—Block system)

ZAKATALOV, Ye.V., inzh.; BELYKH, K.D., inzh.; ZVUKOV, N.M., inzh.;
SKVORTSOV, O.S., inzh.; NETUSOV, V.P., inzh.; AL'BREKHT, V.G.,
doktor tekhn. nauk, prof., red.; PETROVA, V.L., red.;
USENKO, L.A., tekhn. red.

[Mechanization of the repair and maintenance of normal and
narrowgauge railroad tracks of industrial enterprises]
Mekhanizatsiia remonta i soderzhaniiia zhelezodorozhnykh putei
normal'noi i uzkoj kolei promyshlennykh prepriatii. Moskva,
Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia,
1962. 63 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.225).
(MIRA 15:5)

1. Nachal'nik sluzhby puti zavoda chernoy metallurg im.
Dzerzhinskogo (for Belykh).
(Railroads, Industrial--Maintenance and repair)

LEPSKIY, A.V.; PLYUKHIN, D.S.; RAMODIN, V.N.; PETROVA, V.L., red.;
MEDVEDEVA, M.A., tekhn. red.

[Inertia system for the unloading of bulk and lump freight from
box cars developed by the Central Scientific Research Institute
of the Ministry of Railroad Transportation] Inertsionnaya ustanov-
ka TsNII MPS dlia vygruzki sypuchikh i kuskovykh gruzov iz krytykh
vagonov. Moskva, Vses. izdatel'sko-poligr. ob'edinenie M-va putei
soobshcheniia, 1961. 26 p. (MIRA 14:12)
(Loading and unloading)

KARETNIKOV, A.D., kand.tekhn.nauk; VOROB'YEV, N.A., kand.tekhn.nauk; PETROVA,
V.L., inzh.red.; BOBKOVA, Ye.N., tekhn.red.

[Improvement of train sheets and better utilization of the traffic capacity of railroad lines] Sovershenstvovanie grafika dvizhenia poezdov i uluchshenie ispol'zovaniia propusknoi sposobnosti zheleznodorozhnykh linii. Moskva, Vses.izdatel'sko-poligr. ob"edienie m-va putei soob., 1960. 218 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii institut zheleznodorozhnogo transporta. Trudy, no.203). (MIRA 14:5)

(Railroads---Traffic)

IL'IN, K.P., kand.tekhn.nauk; PLADIS, F.A., inzh.; ROSTOVSKAYA, Ye.P., inzh.;
VOVCHENKO, P.I., inzh.; Primalni uchastiye: GORBENKO, L.G., inzh.;
SHESTAKOV, Yu.K., inzh.; LABADIN, S.I., inzh., retsenzent;
MALAKHOV, K.N., inzh., retsenzent; PETROVA, V.I., inzh., red.;
BOEROVA, Ye.N., tekhn.red

[Methods of determining freight weight] Sposoby opredelenia
vesa ~~gruzov~~. Moskva, Vses.izdatel'skopoligr.ob"edinenie ~~M~~-va
putei soob., 1961. 117 p. (Moscow. Vsesoiuznyi nauchno-
issledovatel'skii institut zheleznodorozhnogo transporta.
Trudy, no.215) (MIRA 15:1)

(Railroads—Freight)
(Weighing machines)

ARKHANGEL'SKIY, Ye.V., kand.tekhn.nauk; MUKHAMEDOV, G.A., kand.tekhn.
nauk; MAKSIMOVICH, B.G., kand.tekhn.nauk, retsenzent; PETKOVA,
Y.L., inzh., red.; BOBKOVA, Ye.N., tekhn.red.

[Methodology for calculating the traffic capacity of a railroad
station] Metodika rascheta propusknoi sposobnosti stantsii. Moskva,
Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia,
1962. 133 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.235).

(MIRA 15:8)

(Railroads—Traffic)

(Railroads--Stations)

IVASHCHENKO, G.I.; PETROVA, V.L., inzh., red.; VOROB'YEVA, L.V., tekhn.red.

~~[Conditions of the rolling stock motion on switch tracks in a~~
~~straight line; speeds and maintenance standards]~~ Usloviia
dvizheniia podvizhnogo sostava po priamomu puti stretlochnykh
perevodov; skorosti i normy soderzhanii. Moskva, Vses.
izdatel'sko-poligr. ob"edinenie M-va putei soobshcheniia, 1962.
81 p. (Moscow, Vsesoiuznyi nauchno-issledovatel'skii institut
zheleznodorozhnogo transporta. Trudy, no.229). (MIRA 15:8)
(Railroads--Switches) (Railroads--Train speed)

MAKARENKO, P.G., inzh.; SHAPOVALENKO, M.M., inzh.; MARTYNOV, M.S., inzh.,
retsenzent; MALAKHOV, K.N., inzh., retsenzent; PETROVA, V.L.,
inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Transportation of perishable goods and efficiency of various types
of isothermal railroad cars] Voprosy perevozok skoroprotivostoiashchikh
gruzov i effektivnost' razlichnykh tipov izotermicheskikh
vagonov. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va
putei soobshchenia, 1962. 82 p. (Moscow. Vsesoiuznyi
nauchno-issledovatel'skii institut zheleznodorozhnogo transporta.
Trudy, no.234). (MIRA 15:8)

(Refrigerator cars)

IVASHCHENKO, G.I., kand.tekhn.nauk; PETROVA, V.L., inzh.,red.; KHITROV,
P.A., tekhn.red.

[Switches for high-speed traffic on branch tracks] Strelachnye
perevody dlia povyshennykh skorostei dvizhenia po otvetvlenomu
puti. Moskva, Vses.izd-vo poligr. ob"edinenie m-va putei soob.,
1960. 102 p. (Moscow. Vsesoiuznyi nauchno-issledovatel'skii
institut zheleznodorozhnogo transporta. Trudy, no.193)

(MIRA 13:9)

(Railroads--Switches)

SOROKIN, B.V., kand. tekhn. nauk; PETROVA, V.L., red.; BOBROVA, Ye.N.,
tekhn. red.

[Straightening tracks on reinforced-concrete ties; during regular
maintenance] Vypravka puti na zhelezobetonnykh shpalakh; pri te-
kushchem soderzhanii. Moskva, Vses. izdatel'sko-poligr. ob"edinenie
M-va putei soobshcheniia, 1961. 90 p. (MIRA 14:7)
(Railroads—Maintenance and repair)

CHESNOVA, Nina Grigor'yevna; SABLINA, Lyudmila Sergeyevna; PETROVA,
V.L., inzh., red.; KHITROVA, N.A., tekhn.red.

[Lighting engineering handbook for designing lighting in repair
shops and industrial enterprises of railroad transportation]
Svetotekhnicheskii spravochnik dlia proektirovaniia osveshche-
niia depo i promyshlennykh predpriatii zheleznodorozhnogo
transporta. Moskva, Vses.izdatel'sko-poligr.ob"edinenie M-va
putei soobshcheniia, 1961. 142 p.

(MIRA 14:6)

(Railroads—Lighting) (Electric lighting)

LEVITSKIY, N.K.; KOCHETOV, V.Ya.; DRUZHININ, K.F.; PETROVA, V.L.,
red.; VOROTNIKOVA, L.F., tekhn. red.

[Organization of intraplant railroad transportation in machinery
plants] Organizatsiia vmutrizavodskikh zheleznodorozhnykh pe-
revozok na zavodakh mashinostroeniia. Moskva, Vses. izdatel'sko-
poligr. ob"edinenie M-va putei soobshcheniia, 1961. 33 p.

(MIRA 15:3)

(Machinery industry) (Railroads, Industrial)

PETROVA, V.M.

Influence of psychoprophylactic preparation of parturients on the course of labor, the postnatal period, and the condition of the fetus.
Kaz. med. zhur. no.6:53-55 N-D '60. (MIRA 13:12)

1. Akushersko-ginekologicheskaya klinika (zav. - prov. N.Ye. Sidorov)
Kazanskogo gosudarstvennogo instituta dlya usovershenstvovaniya
vrachey imeni V.I. Lenina.

(CHILDBIRTH—PSYCHOLOGY)

Петрова, В. 72/

PRIKAZCHIKOV, A.I. (Astrakhan) · PETROVA, V.M. (Astrakhan).

Reflex myocardial infarcts. Klin.med. 32 no.1:62-64 Jan '54.
(MLRA 7:4)

1. Iz kliniki propedevniki vnutrennikh bolezney (zaveduyushchiy -
professor S.V.Shestakov) I kliniki obshchey khirurgii (zaveduyushchiy
- dotsent A.I.Bogatov) Astrakhanskogo meditsinskogo instituta i Bassey-
novoy bol'nitsy im. Z.P.Solov'yeva Nizhne-Volzhskogo vobzdravotdela.
(Heart--Infarction)

PETROVA, V. M.

28(2) PAPER I BOOK EXPLOITATION 807/2146

Leningrad. Universitet

Materialy po mashinomu perevodu, sbornik 1 [Materials on Machine Translation: Collection of Articles No. 1] Leningrad. Izd-vo Leningra univ., 1958. 428 p. 1,000 copies printed.

No contributors mentioned.

REMARKS: The book is for students, scientists, and engineers interested in machine translation.

CONTENTS: This collection of 15 articles is published as volume I of the Materials on Machine Translation. It represents the work of 23 Soviet scientists at the Leningrad University Experimental Laboratory for Machine Translation which was created in March 1958 to continue research on translating with the aid of electronic machines. Although the present volume deals with both the theoretical and the practical aspect of machine translation, the emphasis is on the compilation of algorithms for a number of languages, many of them Asiatic. There are no references.

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ATTACHED: Library of Congress

Card 4/4

9-15-58

PETROVA, V.M.

For longer: 1. 12. 1941 - Petrova, V.M. (1941-1942) - Petrova, V.M.
over. Akad. 1. 12. 1941 - Petrova, V.M. (1941-1942) - Petrova, V.M.

1. 12. 1941 - Petrova, V.M. (1941-1942) - Petrova, V.M. (1941-1942).
Singer, K. Petrova, V.M. (1941-1942) - Petrova, V.M. (1941-1942).

SIDOROV, N.Ye., prof.; LEBEVA, L.M.

Treatment of tubal sterility with diase and peridol. Med.
med. zhur. no.6:32-39 Nov. 1971.

1. Pervaya akushersko-ginekologicheskaya klinika zav. - prof.
N.Ye. Sidorov; Kazanskoye gosudarstvennoye instituta dlya na-
vershenstvovaniya vrachey imeni Lenina.

S/054/63/004/001/012/022
B101/B215

AUTHORS: Shul'ts, M. M., Peshekhonova, N. V., Parfenov, A. I.,
Ivanova, Ye. A., Petrova, V. N.

TITLE: Study of how alkaline earth oxides affect the electrode
properties and chemical stability of lithium silicate
glasses

PERIODICAL: Leningrad. Universitet. Vestnik, Seriya fiziki i khimii,
no. 1, 1963, 104-114

TEXT: Glasses containing 24, 27, or 30 mole% Li_2O and an addition of
0.20 mole% of BaO , CaO , MgO , or BeO were studied by plotting the curves
 E versus pH . Results: BaO shifts the upper limit of the H^+ function
range by 0.1 - 0.3 pH units into the alkaline region. In some cases,
also the lower limit of the H^+ function is shifted in positive direction.
The exchange constant of Li - Ba glasses is somewhat lower than that of
binary glass. CaO addition narrows the H^+ function range in the
alkaline region, extends the transition range by ~ 1 pH unit, and increases.
Card 1/3

Study of how alkaline earth oxides ...

S/054/63/004/001/012/022
B101/B215

the exchange constant. MgO has the same effect but much more intensively. The shift in the upper limit of the H^+ function caused by 15 mole% MgO at 27 mole% Li_2O is 3.3 pH units, but that due to 15 mole% CaO is only 1 pH unit. The shift caused by BeO is 2 - 3 pH units at no more than 2.5 mole%; at 15 - 20 mole% BeO, this shift in acid direction is 3-4 pH units. The effect on the exchange constants increases as follows: $BaO < CaO < MgO < BeO$. This is probably due to weaker H-bonds owing to the formation of strongly acid ionogenic groups. An addition of small amounts of BaO changes the stability of glass to H_2O but slightly, whereas 20 mole% BaO reduces its chemical stability. The stability is increased by up to 10 mole% CaO, and decreased by higher CaO concentrations; but it remains higher than that of binary glass. In an acid solution, 5 mole% CaO increases the stability, but at 10-20 mole% CaO the Li_2O leaches out intensively. MgO has a similar effect on the chemical stability. BeO increases the stability in H_2O and in acids.

Conclusion: The stability of the glass is increased by elements that form ionogenic groups in lithium silicate glasses such as MgO and

Card 2/3

Study of how alkaline earth oxides ...

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B101/B215

especially BeO, and reduced by oxides which form modifying ions (BaO).
There are 3 figures and 5 tables.

SUBMITTED: October 1962

Card 3/3

SHUL'TS, M.M.; PESHEKHONOVA, N.V.; PARFENOV, A.I.; IVANOVA, Ye.A.; PETROVA, V.N.

Effect of alkaline earth oxides on the electrode properties and
chemical stability of lithium silicate glasses. Vest. LGU 18

no.4:104-114 '63.

(MIRA 16:3)

(Electrodes, Glass) (Alkaline earth oxides)

(Lithium silicates)

KALECHITS, I.V.; LIPOVICH, V.G.; VYKHOVANETS, V.V.; PETROVA, V.N.

Method of tagged atoms used in studying the mechanism of conversions of benzene, cyclohexane, and methylcyclopentane under conditions of destructive hydrogenation. Kin.i kat. 2 no.5:748-753 (MIRA 14:10)
S-0 '61.

1. Institut nefte- i uglekhimicheskogo sinteza Sibirskogo otdeleniya
AN SSSR, Irkutsk.
(Benzene) (Cyclohexane) (Cyclopentane)

Petrova, V. N.

USSR.

✓ Electrochemical delignification of plant materials. N. A. Sychev and V. N. Petrova. *J. Appl. Chem. U.S.S.R.* 27, 427-4 (1954) (High-concentration).—See C.A. 48, 8090a. H. L. H. **C O**

SMIRNOV, A.I., kand.tekhn.nauk; PLETCHVA, Y.N., inzh.; SEMETS V, G.S.
kand.tekhn.nauk; Prinsipal'nye uchastnye: VINOGRADOVA, Ye.I.,
inzh.; ALEYNIKOVA, G.I., inzh.; V. SHINA, A.V., tekhnika;
PET'SHKOVA, I.K., inzh., red.

[Efficient kinds of track structures of narrow-gauge railroads
(750 mm.gauge).] Ratsional'nye tipy verkhnego stroeniia puti
zheleznykh dorog (kolei 750mm). Moskva, Izd-vo "Transport,"
1964. 148 p. (Moscow. Vsesoyuznyy nauchno-issledovatel'skiy
institut zheleznodorozhnogo transporta. Trudy, vol. 271)
(MIRA 17:5)

U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535
JUL 14 1964

Journal of Management Education 30(6)

GUREVICH, S.G., inzh.; PETROVA, V.N., inzh.

New devices for gluing wood with heat in a high-frequency electric field. Der. prom. 13 no.9:2-5 S '64.

(MIRA 17:1)

PETROVA, V. N.

AID - P-100

Subject : USSR/Chemistry

Card : 1/1

Authors : Sychev, N. A., and Petrova, V. N.

Title : Electrochemical removal of lignin from vegetable materials

Periodical : Zhur. Prikl. Chem. 27, no. 4, 461-462, 1954

Abstract : A method for removal of lignin from vegetable materials with sodium hydroxide is described. Over 40% lignin was removed from straw; the sugar obtained from the lignin-free material was of high quality. Four references (U.S.S.R.): 1940-1950. One diagram.

Institution : Plant Physiology and Biochemistry Department of the Khar'kov State University im. A. M. Gor'kiy and Biochemistry Department of Khar'kov State Medical Stomatological Institute

Submitted : November 16, 1953

AID P - 3932

Subject: High Chemistry

Card 1/1 Pub. . . 15 '19

Authors : Petrova, V. N. and N. A. Sychev

Title : Anatomic, morphological and biochemical changes in straw occurring during electrochemical delignification.

Periodical : Zhur. prikl. khim. 28, 10, 1127-31, 1955

Abstract : About 40% lignin was removed from the straw by electrochemical delignification. The liquors obtained were treated with the anolyte, and a protein fodder of high quality was obtained. One table, 3 diagrams, 1 reference, Russian (1954).

Institution - Chair of Biochemistry of the Kharkov Medical Stomatological Institute.

Submitted : Ja 21, 1954

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33494
S/195/61/001/007/015/01-
EO3C/E485

AUTHORS: Kalechits, I.V., Lipovich, V.G., Vykhovanets, V.V.
Petrova, V.N.

TITLE: Isotopic investigation on the mechanism of benzol
cyclohexane and methylcyclopentane conversions in
destructive hydrogenation

PERIODICAL Kinetika i kataliz v.2, no.5, 1961 748-753

TEXT: Destructive hydrogenation has been studied at 420°C and 350 atm on a WS₂ industrial high-temperature catalyst in order to elucidate the sequence and relationship between isomerization and fragmentation, the literature data on this subject being contradictory. The feedstocks chosen were either mixtures of benzol and cyclohexane or of these plus methylcyclopentane or of cyclohexane and methylcyclopentane. One of these compounds was marked by C¹⁴ in each experiment. The catalyst of 2 to 3 mm pellets had been heated with the feed in a 2-litre autoclave. The time of reaction occupied about 30 to 40 minutes of the whole heating time, which took about 150 to 160 min from 350°C. Preliminary experiments with unmarked material gave the correct conditions for:

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E030/E485

Isotopic investigation on .

the conversions required. After cooling the hydrogenate was separated from the benzol by chromatography and then distilled on a 60-plate column. Both the yields and activities of catalysate were measured. In all experiments there was a good linear relation between the activity of the fragmentation products and the methylcyclopentane yield. This indicates that hydrogenation proceeds faster than either isomerization or fragmentation. To show which of the two latter processes were more important six experiments were carried out with no methylcyclopentane in the feedstock. It was found that the activity of the total end-products approximated to that of the methylcyclopentane yield. In these experiments where marked cyclohexane was used in the feed there was less correlation with the cyclohexane ratio. The activity therefore arises either from methylcyclopentane or from end products with a yield proportional to that of methylcyclopentane and the distribution of activity versus yields favours the latter. It is suggested that since methylcyclopentane is formed directly from cyclohexane and from benzol without desorption that the catalyst does not contain two types of active centre (bimodal).

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049
S/195/61/002/005/018/017
E030/E485

Isotopic investigation on

acidic) but only one, and the molecules move over several sites. The reactions of hydrogenation and the reverse reactions are therefore best described, not in terms of rupture of the benzene nucleus but in terms of a complex formation involving proton transfer from the π -complex of the ring. There are 1 figure, 2 tables and 10 references. 8 Soviet-bloc and 2 non Soviet. The references to English language publications read as follows: Ref. 9: F.G. Ciapetta, R.M. Dobres, R.W. Baker, Catalysis ed. P.H. Emmett, v.6, 1958, 495. Ref. 10: F.E. Condon, Catalysis ed. P.H. Emmett, v.6, 1958, 118.

ASSOCIATION. Institut nefte- i uglekhimicheskogo sinteza
SO AN SSSR Irkutsk (Institute of Petrochemical and
Organic Synthesis SO AS USSR Irkutsk)

Card 3/3

AL'BREKHT, Vladimir Georgiyevich, doktor tekhn.nauk, prof.; SMIRNOV, Aleksey Ionovich, kand.tekhn.nauk; PETROVA, Vera Nikolayevna, inzh. Prinsipali uchastiye: VINOGRADOVA, Ye.I, inzh.; SKVORTSOV, O.S., inzh.; CHUPRIKOV, S.A., inzh. BYKHOVSKAYA, S.N., red.izd-va; MAKSIMOVA, V.V., tekhn.red.

[Selecting the types of superstructure for railroad tracks in open pit mines] Vybory tipov verkhnego stroeniya zheleznodorozhnykh putей v kar'erakh. By V.G.Al'brekht, A.I.Smirnov, V.N.Petrova. Pod obshchei red. A.I.Smirnova. Moskva, Gosgortekhzdat, 1962. 198 p. (MIRA 15:5)
(Mine railroads)

SMIRNOV, A.I., kand.tekhn.nauk. Prinsipali uchastiye: PETROVA, V.L., inzh.;
ANASHKINA, L.M., inzh.; VINOGRADOVA, Ye.I., inzh.; ZAH'KO, V.I.,
tekhnik. GOLOVANOV, A.L., inzh., red.; BOBROVA, Ye.N., tekhn.red.

[Selection of outside transportation for industrial enterprises]
Vybor vnezhnego transporta promyshlennykh predpriatii. Moskva,
Gos.transp.zhel-dor.izd-vo, 1959. 135 p. (Trudy Vsesoiuznogo
nauchno-issledovatel'skogo instituta zhelesnodorozhnogo transporta)
(MIRA 12:5)

(Railroads, Narrow-gauge)
(Transportation, Automotive)

PETROVA, V. P.

SV 72-59-11-10, 1

Bogoroditskiy, N. P., Polyskova, E. L., Rydel'kind, I. M.,
Prokhorov, V. G., Petrova, V. P.

Wollastonite Raw Materials for the Chemical Industry

Steklo i keramika, 1959, Nr 11, pp 37-38 (USSR)

In the Tadzhikskaya and Uzbekskaya SSR, rich deposits of this mineral have recently been found. Wollastonite CaO-SiO_2 minerals of 48-75% CaO and 51-75% SiO_2 . As can be seen from the paper

of B. S. Belyankin, V. T. Lapin, E. K. Toropov (Footnote 1), K. K. Kozlov in 1941 investigated the system CaO-SiO_2 . Wollastonite has hitherto not been used in Soviet industry. The authors of the present paper studied the wollastonite rocks of the Tadzhikskaya and Uzbekskaya SSR (Tajikistan, Uzbekistan). According to the papers of M. I. Kantor, V. P. Petrova, Footnote 2, this rock contains small quantities of diopside, enstatite, quartz, and calcite. The chemical analysis of the wollastonite rocks of the three deposits is given in Table 1. The results of the radiographical and microscopical

Card 1/2

investigations, as well as the investigation of the electric conductivity, are listed in Table 2 for natural wollastonite, and in Table 3 for synthesized wollastonite. Table 1 shows the dependence of the limiting tangent of the "electric lines" on the burning temperature of the raw materials. Figures 2-4 show microphotographs of wollastonite rocks and synthesized wollastonite. While Figures 5-8 show X-ray pictures of these wollastonites. Furthermore, the electric and physico-mechanical properties of wollastonite materials made of wollastonite are given. Figure 9 represents the results of comparative examinations of the resistance of samples of stearite material and wollastonite. As can be seen from these results, the resistance of wollastonite samples is much higher. Investigations showed that the wollastonite rocks from the Tadzhikskaya and Uzbekskaya SSR can be used as a raw material for the production of electrotechnical and other types of ceramics. There are 2 figures and 3 references, 7 of which are Soviet.

Card 2/2

PETROVA, V. S.

"Variation of the structure and properties of silicate glasses in the process of their crystallization."

report submitted for 4th All-Union Conf on Structure of Glass, Leningrad,
16-21 Mar 64.

AUTHORS: Tuckevich, N.M., Petrova, V.
 TITLE: Cast Specimens for the Control of the Mechanical Properties of Precision Casting (Litnye obrazttsy dlya kontrolya mekhanicheskikh svoystv tochnogo litiya)
 PERIODICAL: Liteynoye proizvodstvo, 1959, Nr 9, pp 20-22 (1959)
 ABSTRACT: The quality of cast material is tested by cutting out samples which are then subjected to the different tests. In the article, a method is investigated by which special samples are cast together with the other molds. These samples are tested. They show the same results only if the metal has the same density as the molds. In Figure 1, the forms of the samples are given: type a is used for testing blow viscosity, type b for testing breaking-resistance at high temperatures, type c for other breaking tests. The material used was stainless steel type Kh17N4, and the highly-resistant structural steel type 35KhGSL. The specimens were tested in vertical and horizontal positions (Figure 2). The results are given in Table 3. The results for cut-out and cast samples are nearly the same. Table 4 shows the results of the mechanical tests for steel type 35KhGSL. The differ-

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Cast Specimens for the Control of the Mechanical Properties of Precision Casting

once in the plastic properties measured is explained by the sufficient processing.

There are 4 tables, 2 sets of diagrams, 1 photo, and 1 Soviet references

1. Metal--Casting 1. Metal--Castings--Test meth.
Castings--Quality control

Card 2/2

A comparative study of the distribution of electrolytes (Cl, P, Ca, Mg) in the cerebrospinal fluids of animals and man. A. P. Friedman and V. A. Petrova. *Arch. sci. bul. (U. S. S. R.)* 30, 200-17 (1957). The following sex, figures in mg% are reported with min. and max. in parentheses: Cl (as NaCl): man 730 (725-760), cattle 1,495 (611-713), dogs 667 (602-790), mory 9. man 1.75 (1.5-2.1), cattle 3.20 (1.96-5.17), dogs 3.00 (2.82-3.47), Ca: man 6.2 (4.6-8.9), cattle 0.58 (0.01-7.10), dogs 0.56 (0.14-7.4), Mg: man 2.7 (1.02-3.5), cattle 2.17 (2.13-3.20), dogs 1.00 (0.258-3.81). Some attempt is made to correlate the figures with age, state of nutrition, sex, etc., but the no. of observations is insufficient for significant evaluation. W. A. Perlzweig

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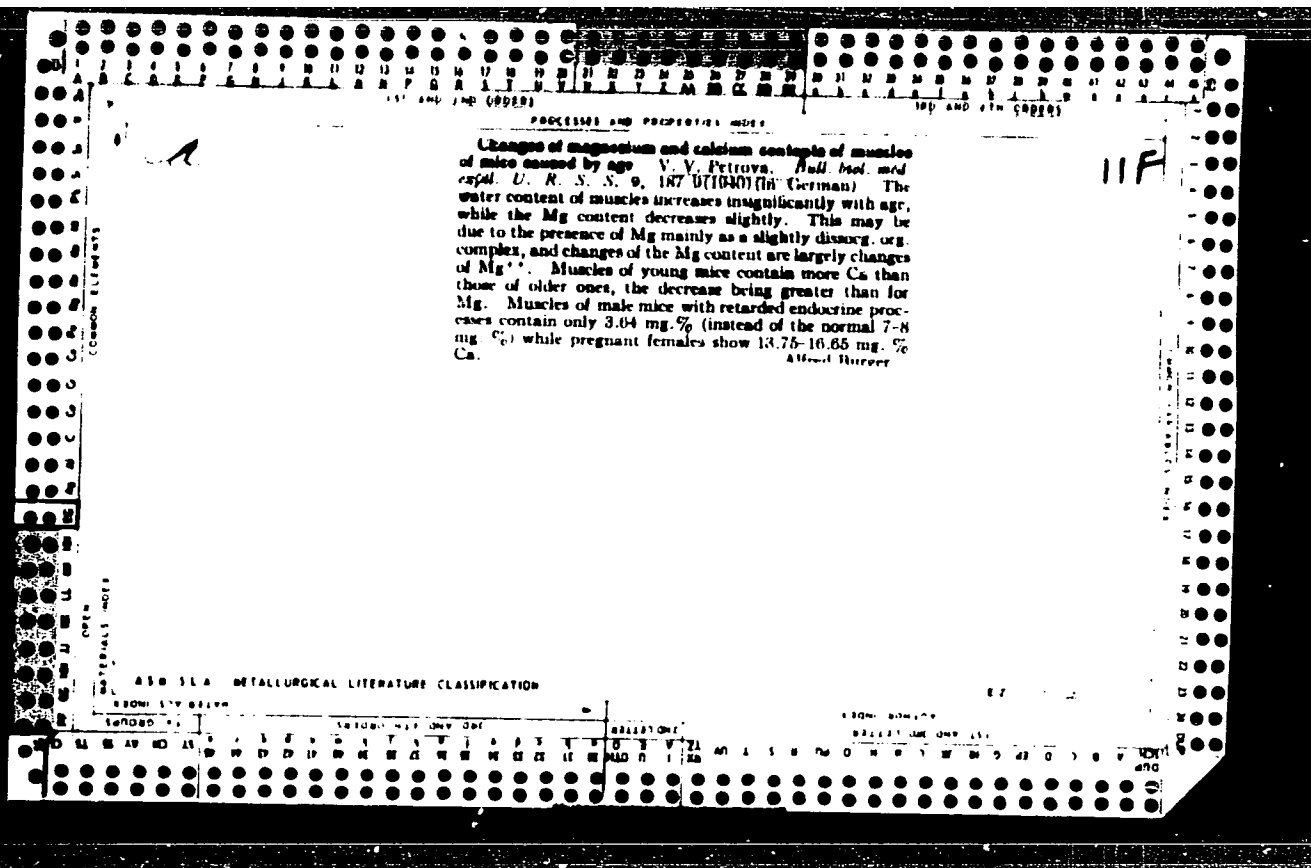
The qualitative composition of the saliva during conditioned and unconditioned excitation S I Levin and V A Petrova J Physiol U.S.S.R. 27, 180-5fm Germali 7457(1969) - Saliva secreted during conditioned reflex secretion is qualitatively different from that obtained during unconditioned secretion and approaches in character that of spontaneous secretion. The action of pos. conditioned excitations causes an increase in Cl, an increased stability of the alk reserve and occasional changes in total N. Saliva obtained by the action of neg. conditioned excitations appears identical with that obtained during spontaneous secretion S A K.

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PROCESSES AND PROPERTIES INDEX

Namprotrin N in the saliva of children with renal ailments. N. R. Shastin and V. V. Petrova. *Pediatrics* 1940, No. 10, 818; cf. C. A. 37, 8337. In renal ailments in children the function of the parotid salivary glands remains normal or is depressed. In chronic nephritis which ends in death the secretion of the glands greatly decreases. Increase of residual N in the blood causes the rise of residual N in saliva. The amt. % of residual N as compared with total N in saliva is increased in comparison with normal children. Uremia causes the highest N index in the blood and saliva. During convalescence from uremia there is occasionally observed an increase of secretion by the salivary glands and increased elimination of the end products of N metabolism. G. M. Kowaloff

ASAC S. A. METALLOGRAPHIC LITERATURE CLASSIFICATION

1900-1940

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PETROVA, V.

Blossoming of *Prymensium parvum* Carter in the lakes of Varna during the summer of 1959. Izv Inst ribovud BAN 2:55-65 '62.

PETROVA, Larisa (d.Sokolok, Leningradskaya oblast'); MIRSANOV, V. (Kalinin);
MISHIN, Vladimir; MISHANOVA, Tamar (s.Zachepilovka, Khar'kovskaya
oblast'); YERMAZOVA, Natasha (s.Tanayka, Tatarskaya ASSR);
PETROVA, Vera; KURNEVICH, Olya (Moskva)

Editor's mail. IUn.nat. no.7:36-37 J1 '62. (MIRA 15:8)
(Nature study)

PETROVA, V.V., red. izd-va; RUDAKOVA, N.I., tekhn. red.

[Provisional instructions for designing walls of industrial buildings subjected to physical and chemical action] Vremennye ukazaniia po proektirovaniu sten promyshlennykh zdaniy s agressivnoi sredoi. Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit. materialam, 1960. 38 p. (MIRA 15:4)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo.

(Walls)

GERASIMOV, A.K., inzh., red.; PETROVA, V.V., red. izd-va; BOROVNEV, N.K., tekhn.red.

[Directives no. SN 180-61 on the erection of precast concrete structures and their acceptance from the contractors. Directives no. SN 193-61 on the order of assembling complex buildings and structures from precast reinforced concrete sections] Ukazaniia po montazhu i priemke sbornykh zhelezo-betonnykh konstruktsii SN 180-61. Ukazaniia o poriadke vyplneniia proektov slozhnykh zdani i sooruzhenii iz sbornogo zhelezobetona SN 193-61. Moskva, Gos. izd-vo lit-ry po stroit., arkhit. i stroit. materialam, 1961. 26 p. (MIRA 15:3)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. (Precast concrete construction--Standards)

ZNAMENSKIY, Aleksandr Yevgen'yevich; SIL'VINSKAYA, K.A., otv. red.;
PETROVA, V.Ye., red.; SLUTSKIN, A.A., tekhn. red.

[Controlled artificial lines] Regulirovaniye iskusstvennyye linii.
Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1961.
51 p. (MIRA 15:2)

(Radio lines) (Delay lines)

DREYZEN, Iosif Grigor'yevich; SAPOZHKOVA, M.A., doktor tekhn. nauk, otv.
red.; PETROVA, V.Ye., red.; SHEFER, G.I., tekhn. red.

[Electroacoustics and sound broadcasting] Elektroakustika i
zvukovoe veshchanie. Moskva, Gos.izd-vo lit-ry po voprosam
svyazi i radio, 1961. 543 p. (MIRA 15:2)
(Electroacoustics) (Radio)

DREYZEN, Iosif Grigor'yevich; SAPOZHKOVA, M.A., otv. red.; PETROVA, V.Ye.,
red.; SHEFER, G.I., tekhn. red.

[Electroacoustics and sound broadcasting] Elektroakustika i zvu-
kovoe veshchanie. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i
radio, 1961. 543 p. (MIRA 15:2)

(Electroacoustics)

DIVNOGORTSEV, Gennadiy Petrovich; NOVIKOV, Vasilii Aleksandrovich; FARBER, Yuliy Davidovich; BELOUS, V.M., kand. tekhn. nauk, retsenzent; YAKUB, Yu.A., kand. tekhn. nauk, retsenzent; NOVIKOV, V.A., stv. red.; PETROVA, V.Ye., red.; SHEFER, G.I., tekhn.red.

[Long-distance communications apparatus] Apparatura dal'nei svyazi. Moskva, Gos. izd-vo lit-ry po voprosam svyazi i radio, 1961. 4³⁹ p. (MIRA 14:11)

(Radio relay lines) (Telephone)

FARBER, Yuliy Davidovich; SHISHKINA, E.I., otv.red.; PETROVA, V.Ye.,
red.; MARKOCH, E.G., tekhn.red.

[Measuring and tuning of multichannel symmetric multiplexed
communication cables] Izmereniia i nastroyka mnogokanal'nykh
sistem uplotneniia simmetrichnykh kabelei svyazi. Moskva, Gos.
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(MIRA 13:6)

(Electronic measurements)

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